CHATHAM.—The roof of the second and third building slips in the dock-yard, says the *Morning Post*, are to be covered with galvanized zinc, instead of the roofing paper with which they are now covered. The workmen have commenced stripping the paper from the second roof, preparatory to putting on the zinc. Two Artesian wells for the supply of water, as condensing water for the engines of the new metal mills, are being bored for by the contractors, Messrs. Clark, of Tottenham-court-road. One well is completed, at a depth of 126 feet below the surface of the flooring, and receives a full supply of water. When the two pumps, which are to be ten inch, are completed, the supply from both is expected to be 400 gallons per minute.

TO CORRESPONDENTS.

"*A. H.*"—No point is more unsettled than is "what constitutes interference with the light and air of a neighbour." An answer, without seeing the premises, would probably mislead.

"*J. S.*"—To gauge, or sage, as applied in the mixing of cements, implies a mixing in certain proportions.

"*Poor Amateur*" cannot get good Italian chalk for less than he mentions.

"*T. C. S.*"—The volume may be had by direct application to the office.

"*A. B.*"—We do not know of a class, at any of the Institutions, for learning the art of measuring.

"*Sir H. D.*"—We shall be happy to receive the papers mentioned.

"*W. D.*"—Creay's "Encyclopædia of Engineering" has much information on centres and bridges.

"*H. S.*"—The drawing shall be engraved.

Received—"M. J. B. A." "Steerage-way." "W. R." "C. D. B." "A Subscriber." "W. F." "W. and Sons." "J. S." Stamford-street." "R. H." Tower-street." "Engineering Field Notes on Parish and Railway Surveying and Levelling." By H. J. Castle, surveyor and C. E. 2nd Edit. Simpkin and Marshall. 1847. "The Ancient World; or Picturesque Sketches of Creation." By Professor Ansted, F.R.S. Van Voorst, 1847.

"*Books, Prices, and Addresses.*"—We have not time to point out books or find addresses.

ADVERTISEMENTS.

CARVINGS IN WOOD.—The unrivalled perfection at length attained by the Patent process of Carving, enables its proprietors to offer to the public, at an extremely reduced price, every possible variety of Carved Wood for external and internal enrichments—thus superseding the genuine material for the numerous imitations which have invariably been found fragile or unsatisfactory.

Mouldings and Carvings of all kinds are thus supplied, adapted for Church or Library Fittings, Altar Chairs, Picture Frames, Chimney pieces, and every description of Gothic or Elizabethan Furniture.

Specimens may be seen and Drawings obtained at the Patent Wood Carving Offices, 444, West Strand, or at the Works, Hanwell-road, Thames-bank.

ARCHITECTURAL CARVING WORKS (BRUNING'S PATENT), late 341, Strand, Chantry's Repository, Exeter-place, Carlton, leaving out of Cornish-place.

Architects and Builders are respectfully informed, that Carving in Wood, Stone, and Marble, by Patent Machinery, is carried on at the above premises. Tracery for Churches, in wood and stone, beautifully executed, at prices which will enable architects to carry out their plans in having dec rated churches, and other buildings, at comparatively small expense. Machines are sent into the country to work on the spot, and carving executed by them. Gothic chimney pieces, Gothic windows, Gothic furniture, mouldings and heads of every description executed, and ready for fixing, or fixed. Mouldings, wood and stone, made to any pattern; medals and inlaid work executed in all their branches. For the beauty of their workmanship, the public are respectfully informed that a show-room has lately been fitted up on the premises, not to be seen at any other establishment in London, for the inspection of their works.

CARVING BY MACHINERY, JORDAN'S PATENT.

TAYLOR, WILLIAMS, and JORDAN beg to draw the attention of those interested in the cheap production of Carved decorations, to the peculiarities of their Machinery and the grade of its efficiency, which are to be found in the fact of its being employed at the Government Workshops for the future decorations of the New Palace at Westminster, and in the windows of the Baptist Chapel by the Earl Cottons, of the Society of Arts.

The 17th screen of March 6th, is specimen of the Specimens of Carvings produced from Jordan's Patent, says, "These were really astonishing. A bunch of Hops and brace of Partridges were worthy to hang by the side of Grinling Gibbons's Works. A portion of the Gothic Ecclesiastic frames were also very successful. The Machinery employed accomplishes precisely the task assigned to the Sculptors assistant. It clears away all the superfluities, and prepares the object for the final touches of the Artist. No matter how high the relief or how low or intricate the undercutting, no difficulties baffle this Machinery."

The Proprietors find it to be due to themselves and to the Public to state that they have at present only one Establishment which is their Machine Carving Works at Belvedere Road, Lambeth, formerly Poade and Pooley's Terra Cotta Works, where specimens may be seen and estimates for large sums obtained.

By Her Majesty's Royal Letters Patent

WILKINS'S "SILENT" WATER-CLOSET. To Architects, Surveyors, and Builders.

Gentlemen,—Your attention is respectfully invited to the above "Closet," the peculiar modification of which are, that it is perfectly silent in the action of the Machinery and the supply of Water, and may be fixed in any convenient place in the House, without communicating the sound of a Water-closet to any of the adjoining Apartments, while it retains all that is useful in the ordinary Closets, it does away with the Rail Levers, Wire, Cranks, &c., which cause much of the noise to which the old closets are liable. The want of a Water-closet in or outside for the present mode of fixing them in the important parts of dwelling Houses and other Apartments has long been felt, and the benefit to be derived from one that is "Silent" in the action of the Machinery and supply of water, is sufficiently obvious to render unnecessary any lengthened comment in its favour.

This Closet is simple in its construction, the whole of the apparatus (including the trap), being concealed between the floor of the room and the seat of the Closet, thereby rendering it quite easy to remove any noisy Closet and fix the "Silent" one in its place without interference without the trap, which is generally embedded between the floor and ceiling below the Closet. The "Silent" Closet is also clean, and is free from any emanation, as to risk of its being fixed in any bed room where there is a convenience of having a pipe down the outer wall of the house without occasioning the least unpleasantness whatever.

May be viewed Daily, and Orders taken at No. 26, Gower-place, University College, London.

ROYAL ARMS FOR CHURCHES.—The Royal Arms of the Present Reign, fully Emblazoned in good old Heraldic style, and quite new. In a frame of gold and oak, adapted for a church or any large interior, to be disposed of. Price Moderate.—Apply to Mr. PARTRIDGE, 128, Great Portland-street, Cavendish-square.

PHOTOGRAPHIC PORTRAITS, at HALF PRICE, COLOURED or PLAIN. The Public are invited to inspect the specimens of Photographic Art, with new improvements, at the Photographic Establishment, 123, Strand (between Norfolk-street and St. Clement's Church). Portraits, including case, from 10s. Satisfactory ones guaranteed. Likenesses by this system can be finished in oil or water colours by a Native of less than a minute, on card, ivory, or canvas, combining the truth of the daguerreotype with artistic skill. Hours from Ten to Four.

ARCHITECTS, BUILDERS, and the Trade in general, are informed they can be supplied with Cement and Plaster Ornaments of first-rate quality, consisting of chimney-shafts in the Elizabethan and other styles, trusses, balusters, vases, capitals, centre flowers, &c. &c., bed mouldings, &c. &c., on the most reasonable terms, by JOSH. HERBERT and SON, Modellers, &c., 61, Parker-street, Drury-lane. Modelling executed for the Trade.

A first-rate assortment of shop-front trusses ready for fixing.—Centre flowers fixed complete 3s per cent. cheaper than paper mache.

GAS.—The Introduction of Gas into private dwellings is rapidly increasing; it is therefore of the greatest importance not only to the consumer but to the gas company and gas fitter, that the most secure and simple means of regulation it be applied. The patentees of CARTER'S SAFETY HOUSE VALVE can from many years' experience and the high testimonials they are daily receiving, most confidently recommend it to all persons interested in gas lighting, as being more secure, more durable, and not liable to get out of order, and in every respect superior to the old plug cock, as frequently leaky or not fast by corrosion. It has the advantage of being inexpensive, and easily adapted to any description of fittings. Manufactured by the patentees, T. LAWRENCE and SON, at their Gas and Steam Apparatus and Metal Pipe Works, 30, New-road, near the Blackfriars-road.

BUILDERS AND IRONMONGERS are requested, when writing for JENNINGS'S SHOP SHUTTER HOOK AND FASTENER, to send the finished thickness of the Shutter, and also at which end of the front they commence putting up the Shutters (RIGHT OR LEFT), as they face the front.

JENNINGS'S SHUTTER FASTENER. Shop Fronts are more damaged and disfigured by the Shutter Bar than from any other cause. Bars are a trouble to put up and take down, and frequently become when down JENNINGS'S SELF-RETREATING SHOP SHUTTER FASTENER supersedes the destructive Bar, and answers the purpose also of a shutter shoe. The three different sizes being made of brass, afford greater protection to the centre of the shutter, and leave no rusty deposit on the stall board in damp weather. Hundreds of shops have been secured by the inventor, and testimonials of their ease and efficiency may be obtained from the occupiers. A front, containing eight shutters, secured for 25s., or a new front shod and secured for 40s. A liberal discount allowed to Builders, Ironmongers, and Painters, who introduce it to the notice of persons whose shops they decorate.—To be had of the Inventor, 29, Great Charlotte-street, Blackfriars-road, or of any respectable Ironmonger.

SNOXELL'S PATENT SAFETY REVOLVING WOOD SHUTTERS.

Manufactory, 96, Regent-street, and 131, Chancery-lane.

THE Patentee having fixed a great number of his shutters in London, and given universal satisfaction as confidently recommends them both for security and durability, the sides being sheathed with Iron. Their construction is so simple that the largest establishment can be opened or closed with the greatest possible ease without the use of machinery. Their superiority over other revolving shutters consists in their great strength and stiffness, being without metal hinges, consequently cannot rust, buckle, be strained, or get out of order, and are safer. Persons dissatisfied with the patent rising gear now used for iron shutters can have it removed, and the shutters made to draw up in any part of the premises with the slightest exertion, without mess or noise, thereby avoiding the unpleasant use of oil.

REVOLVING SAFETY SHUTTERS, WITH PATENT CONVEX IRON LATHS. PATENT CORRUGATED WINDOW BLINDS, &c.

THE attention of Architects, Builders, and Blind-makers is requested to the IMPORTANT IMPROVEMENTS in the above articles, and inspection invited at the manufactory. The great improvement of strength and stiffness in the laths of REVOLVING SHUTTERS, by the use of convex laths, affording increased security to shutters, and it is only necessary to point out the fact, that the patent convex laths are 12 times stronger than the ordinary flat laths, to insure their general adoption.

The patentee invites attention to his greatly improved rearline, for raising and lowering his patent shutters, which, possessing all the advantages of the endless screw and wheel, cannot, from its wear, be liable to run down, and entirely avoids the necessity of using the catches, wheels, and is at once simple and thoroughly effective, and is SAFER and MORE DURABLE than any plan yet adopted for that purpose, thus rendering life and property doubly secure. The WARMTH and NOISELESSNESS of these shutters are fixed horizontally (either above or below the window or door) or vertically, for which positions the greater increased strength of the convex laths renders them peculiarly suitable. THE PATENTEE IS THE SOLE MANUFACTURER OF REVOLVING SHUTTERS, WITH CONVEX IRON LATHS. Engravings and perspective views added on application. IMPROVED DRAWN METAL AND WIRE BEADINGS, ARTIZANS, MOULDINGS, STALL-BOARD PLATES, &c.—Patentee and Manufacturer, JOHN HARCOURT QUINCEY, 113, Old-street, London.

INJUNCTION.

BUNNETT and COPPE'S Patent REVOLVING IRON SHUTTERS.—Since the verdict found in favour of the Patentees, in the Court of Exchequer, in the action tried by order of the Court of Chancery, that Court has granted a perpetual Injunction for restraining all infringements of this Patent, and therefore all parties are hereby cautioned against infringing the same.

THE PRICES ARE GREATLY REDUCED, and BUNNETT AND COPPE'S PATENT IRON SHUTTERS ARE THE CHEAPEST AS WELL AS THE BEST. They are made with convex laths, if required. The worm and wheel motion for raising and lowering revolving iron shutters as secured by this Patent, is the only safe and durable mode of effecting that object. In large shutters it is indispensable.

Some thousands of Bunnett and Coppe's Shutters have now been put up, without a single complaint of their want of strength or security, and after years' practical experience during which they have adopted every real improvement) enables the Patentees to challenge comparison with any others. They will guarantee all Shutters put up by them to keep in order, and last twice as long as any with thin convex laths.

B. and C. also manufacture REVOLVING WOOD SHUTTERS the Patent for which has expired, at the same prices as other makers, but greatly superior, being fitted with their patent rising gear, and perfect metallic hinges, with at which no shutter can be safe or durable.

BUNNETT and COPPE are likewise Patentees and Manufacturers of METALLIC SASH-BARS, MOULDINGS, &c., IN BRASS, COPPER, OR ZINC, FOR SHOP FRONTS, WINDOWS, SKYLIGHTS, AND VARIOUS OTHER PURPOSES.

Shop-fronts fitted with Iron Shutters, Patent Brass or Zinc Sashes, Plain or Ornamental, handsomely Engraved, Moulded, Bright-ground Plates, Cast Plate Glass, and Internal Brass Fittings of all kinds, superior in quality and workmanship, and lower in price than any other house. Contracts taken in Town or Country.

Metal Drawing and Stamping for the Trade.

Office at No. 56, Lombard-street, London; Works, at Deptford, Kent.

Steam-engines, Sawing, Planing, and Moulding, Cutting machines on Improved Plans, especially adapted for Builders' purposes, may be seen in operation at the Works.

ART-UNION OF LONDON: Incorporated by Royal Charter.

PATRON—H. R. H. the Duke of CAMBRIDGE.

The list for the current year will close on Wednesday next, the 31st instant. Subscribers will receive for each guinea paid, besides the chance of obtaining a work of art at the distribution, a pair of prints, the "Last Embrace," and the "Neapolitan Wedding," engraved by Mr. Charles Rolls and Mr. F. A. Heath respectively, after T. Uwins, R.A., with a set of engravings in outline from seven of the cartoons submitted in competition for the premium of 500 offered by the society for an historical picture.

GEORGE GODWIN,
LEWIS POCOCK, } Hon. Secs.

4, Trafalgar-square, March 27th, 1847.

THE EXHIBITION OF SELECT SPECIMENS OF ENGLISH MANUFACTURES, on and after the 11th of March, will be OPENED GRATUITOUSLY every day, except Saturday and Sunday, between 11 and 4, at the SOCIETY OF ARTS, Great Rooms, John-street, Adelphi. TICKETS of ADMISSION and Catalogue may be had of the Members of the Society, of the Exhibitors, and of the undermentioned:—

OXFORD-STREET: Mr. John Mortlock, No. 250; Mr. J. Phillips, No. 226.—REGENT-STREET: Mr. White, No. 210.—PALL MALL: Messrs. Graves, No. 44; and Messrs. Colnaghi, No. 23.—NEW BOND-STREET: Mr. Pratt, No. 15.—OLD BOND-STREET: Mr. J. Purdell, No. 19.—PICCADILLY: Mr. W. Pickering, Bookseller, No. 177.—STRAND: Mr. Milledge, No. 88; Messrs. Greenall, No. 164; Mr. J. Tennant, No. 149.—FLEET-STREET: Mr. Ignorse Bell, No. 186; Messrs. Grant and Griffith, corner of St. Paul's Churchyard. Ludgate-street.

N.B. No Tickets can be had, except by members, direct from the Society's House.

PAPER-HANGINGS to the TRADE.—French Papers superseded.—Messrs. HENNELL and CRUDDY, Paper Stainers, Queen-street, Southwark-bridge-road, beg to inform the Trade that they can enable them to sell Satin Papers, Decani Designs, at 8s. 6d. per French piece. Rich Lincrusta house for Panel Decorations and Chamber Papers.

FRENCH PAPER HANGINGS.—The ONLY WHOLESALE DEPOT wherein is concentrated ALL the elegant productions of all the Continental Manufactories, is at Messrs. MARKS & CO.'S, 20, Princes-street, Leicester-square, established 1823, where the Trade may be supplied from an Immense Stock of NEW SPRING PATTERNS, at prices that will DEFY the GARBLED PIRACY that at present exists.

TO ARCHITECTS, BUILDERS, AND OTHERS.

ENCAUSTIC, VENETIAN, BATH, and other PATENT TILES, and MOSAIC PAVEMENTS, may be obtained at MINTON and Co.'s Warehouse, 9, Albion place, Surrey side of Blackfriars' Bridge. Also, an assortment of Plain and Ornamental Door Furniture, Slabs and Tiles for Fire places &c.

WORCESTER ENCAUSTIC TILES. Specimens of these beautiful Tiles in all their Varieties, may be seen and information obtained at the London Agents, Messrs. GRIEVE and GRELLIER, Marble wharf, Belvidere road, Waterloo-bridge, or at the Encaustic Tile Works of Messrs. P. ST. JOHN & BARR, and Co., Worcester.

WILLIAMS'S PATENT SLATE RIDGES and HIPS. The above article is recommended as the best and the most suitable covering for Ridges and Hips of slated roofs ever invented, possessing a solid fluff of various sizes, more elegant and durable than lead, and 30 per cent. cheaper—Sold by Messrs. J. and J. SHARP, Slate Merchants, Tooley-street, and Mr. RICHARD SNOOK, Slate Merchants, Belvedere-road, Lambeth, London. May be had also of all Country Slate dealers.

TO BRICK AND TILE-MAKERS.

THE AINSLIE BRICK and TILE MACHINE COMPANY JAMES SMITH, Esq., of Issington, Chairman, further attention to their improved Brick and Tile Machines, which are to be seen at work at Alperton, and at the Company's Office, 19a, Piccadilly, from Ten a.m. to Five p.m. Mr. ROBERT SURVENIER, who has been appointed manager in the room of Mr. JOHN AINSLIE, will show the machines at the works at Alperton, which is within a mile of the Paddington station of the Great Western Railway.—All communications to be addressed to Mr. WILLIAM GORDON, Secretary, at the office of the Company.

London, 19a, Piccadilly, Feb. 2nd, 1847.

PATENT ARCHITECTURAL ROOFING TILES.

ARCHITECTS, Builders, and others, may now be supplied with these ornamental Tiles, which for security, beauty, and effect, are of every other kind of roofing, whilst their cost but little exceeds the covering with common pantiles, and their superiority over slating is at once apparent.

For prospectuses and full particulars, apply to Mr. J. C. HUGHES, at the Company's offices, 139, Strand.

Price, from 18s. to 22s. per square.

MARBLE MORTARS.—A large parcel of Prime Sicilian Marble Mortars just imported from Leghorn by J. B. WHITE and SONS, Marble Wharf, Millbank-street, Westminster.

SMITH'S SUPERIOR GLAZED BROWN STONE SOCKET DRAIN PIPES, 3 feet lengths, in various bores, from 3 to 9 inches, warranted by the Maker not to leak, and those manufactured for the use of the city of Westminster. To be had at the manufactory, 73, Princes-street, Lambeth. A stock of elbows and various shapes always on hand.

CAEN SUFFERANCE WHARF, ROTHERHITHE.

LUARD and BEEDHAM beg to inform Architects, Surveyors, Builders, and others, that they have removed from Norway Wharf, Greenwich, the whole of their Caen Stone business, to the above extensive premises, where a large stock will be kept up by continual fresh arrivals from their quarries at Allemagne. Orders received at the wharf, and further particulars may be obtained of Mr GEORGE GATES, 18, Southwark-square, Borough, London.

Orders shipped direct from Caen to any port.

The Waterman Steamboats call at Lavender-pier, adjoining Caen Wharf.

CAEN STONE DEPOT, NORWAY SUFFERANCE WHARF, GREENWICH.

P. FOUCARD and W. TUCKWELL, Caen Stone Importers, beg to inform Architects, Sculptors, Masons, and others, that they have a large stock of superior dry seasoned Caen Stone on their Wharf imported July last, exclusively from their quarries at Allemagne, which, for present uses, is superior to any now imported. Orders received by Mr. TUCKWELL, at the Wharf, and at the offices of Mr. R. A. WITHALL, Surveyor, 80, Cheapside, where any information and samples may be obtained.

Caen Stone shipped direct to any port by Monsieur Foucard, at Caen.

PIMLICO MARBLE AND STONE WORKS, BELGRAVE WHARF, PIMLICO-ROAD.

SAMUEL CUNDY begs to inform Architects and others, that GOTHIC WINDOWS, and every other branch of Stone-work, &c., are executed at the cheapest possible rate, and packed for the country ready for fixing or fixed, at shortest notice. Parties to have the most difficult TRACERY, DOOR-CASES, or other buildings in the PROVINCES, executed under their immediate inspection in TOWN.

BUILDERS and MASONS can have every description of Stone in the London Market, either in the rough block, or cut to size from the saw, so prepared ready for fixing or fixed, avoiding either waste in the goods or carriage.

Best Chimney pieces from 12s. upwards.

THE WORCESTER ENCAUSTIC TILES, in all their beautiful variety, may be inspected, in addition to the usual extensive stock of Chimney pieces and POSTS.

Estimates given for building generally.